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Albuquerque, New Mexico

December 1991

RECORD OF DECISION

Farmington Resource Management Plan

As Amended By

Albuquerque District Proposed Resource Management Plan Amendment/ Final Environmental Impact Statement

OIL & GAS LEASING AND DEVELOPMENT

TD
195
.P4
F378
1991

The Bureau of Land Management...
is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people. Management is based upon the principles of multiple use and sustained yield; a combination of uses that takes into account the long term needs of future generations for renewable and non-renewable resources. These resources include recreation, range, timber, minerals, watershed, fish and wildlife, wilderness and natural, scenic, scientific and cultural values.

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Dear Reader:

Enclosed is a copy of the Record of Decision (ROD) for the Oil and Gas Resource Management Plan (RMP) Amendment to the Farmington RMP. The decisions in the amendment are from the alternatives analyzed in the Albuquerque District Proposed Resource Management Plan Amendment/Final Environmental Impact Statement Oil and Gas Leasing and Development, published in December 1991.

The Farmington Resource Area Oil and Gas Amendment was conducted in combination with the Rio Puerco and Taos Resource Areas in the Draft and Final Resource Management Plan Amendment/EIS. The Records of Decision and approved amendments are written separately to facilitate local use.

The Farmington Resource Area includes part of the San Juan Basin. Oil and gas development has occurred over many years in the Basin and as a result nearly ninety (90) percent of the Federal oil and gas acreage is leased. Because of the San Juan Basin oil an gas resources over ninety eight (98) percent of the wells projected to be developed in the Albuquerque District during the next twenty years are expected to be developed in the Farmington Resource Area.

The Resource Management Plan as amended is now the guide for managing the Areas resources that are administered by the Bureau of Land Management.

Your interest in and/or contribution to the environmental assessment and planning process is appreciated.

1/17/92
Date

John A. Phelps
Area Manager

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RECORD OF DECISION

ON THE

FARMINGTON RESOURCE MANAGEMENT PLAN

PORTION OF THE

ALBUQUERQUE DISTRICT RESOURCE

MANAGEMENT PLAN

AMENDMENT AND FINAL

ENVIRONMENTAL IMPACT STATEMENT

January 1992

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RECORD OF DECISION

Farmington Resource Area Management Plan Amendment

The decision is hereby made to approve the amendment for oil and gas leasing determinations of the Farmington Resource Management Plan as described in the Albuquerque District Proposed Resource Management Plan Amendment/Final Environmental Impact Statement (PRMPA/FEIS), December 1991.

The "Current Management Alternative" is approved for leased portions of the following areas: Simon Canyon Recreation Area, Carracas Mesa, Thomas Canyon, The Hogback ACEC, and Reese Canyon RNA. Existing leases retain valid existing rights in these areas. However, should these leases expire, lease reissuance will not be considered for these areas. (See attached SMA Maps)

The "Proposed Alternative" is approved for the remaining special management areas in the Resource Area.

The management decisions shown in the July 1988 Farmington Resource Management Plan continue to be valid as are the management prescriptions except as they are shown in the alternatives identified above. The Plan as amended will apply the following leasing determinations on the approximate acreages indicated.

CLOSED-	
Discretionarily	21,100
Nondiscretionarily	54,400
Total	75,500
OPEN-	
With Standard Terms and Conditions	1,848,000
With Constrains-	
Timing Limitation	126,500
Controlled Surface Use	189,400
No Surface Occupancy	20,700
Constraints Total	336,600
Total	2,184,600

Management Considerations

The decision to approve the amended plan is based on; 1) The input received from the public, other federal agencies and state agencies; 2) The environmental analysis for the alternatives considered in the Draft RMPA/EIS, and the Albuquerque District PRMPA/FEIS. The "Current Management Alternative" was selected on the areas identified to provide for reducing chances of impacting non oil and gas resources. The adoption of this plan amendment will minimize impacts as described in both the draft and final EIS.

The Farmington Resource Area has over 1,991,000 acres

(nearly 90 percent) of its Federal oil and gas acreage leased. Much of the leased acreage was leased prior to NEPA and the establishment of environmental policies. Appendix B-9 in the PRMPA/FEIS reflects BLM's commitment to work with other resource management agencies and with the oil and gas industry to allow continued development of leases while providing protection for non-oil and gas resources on this leased acreage. The mitigation measures described in Appendix B-9 will be applied to authorizations on existing leases following consultation with operators.

Implementation and Monitoring

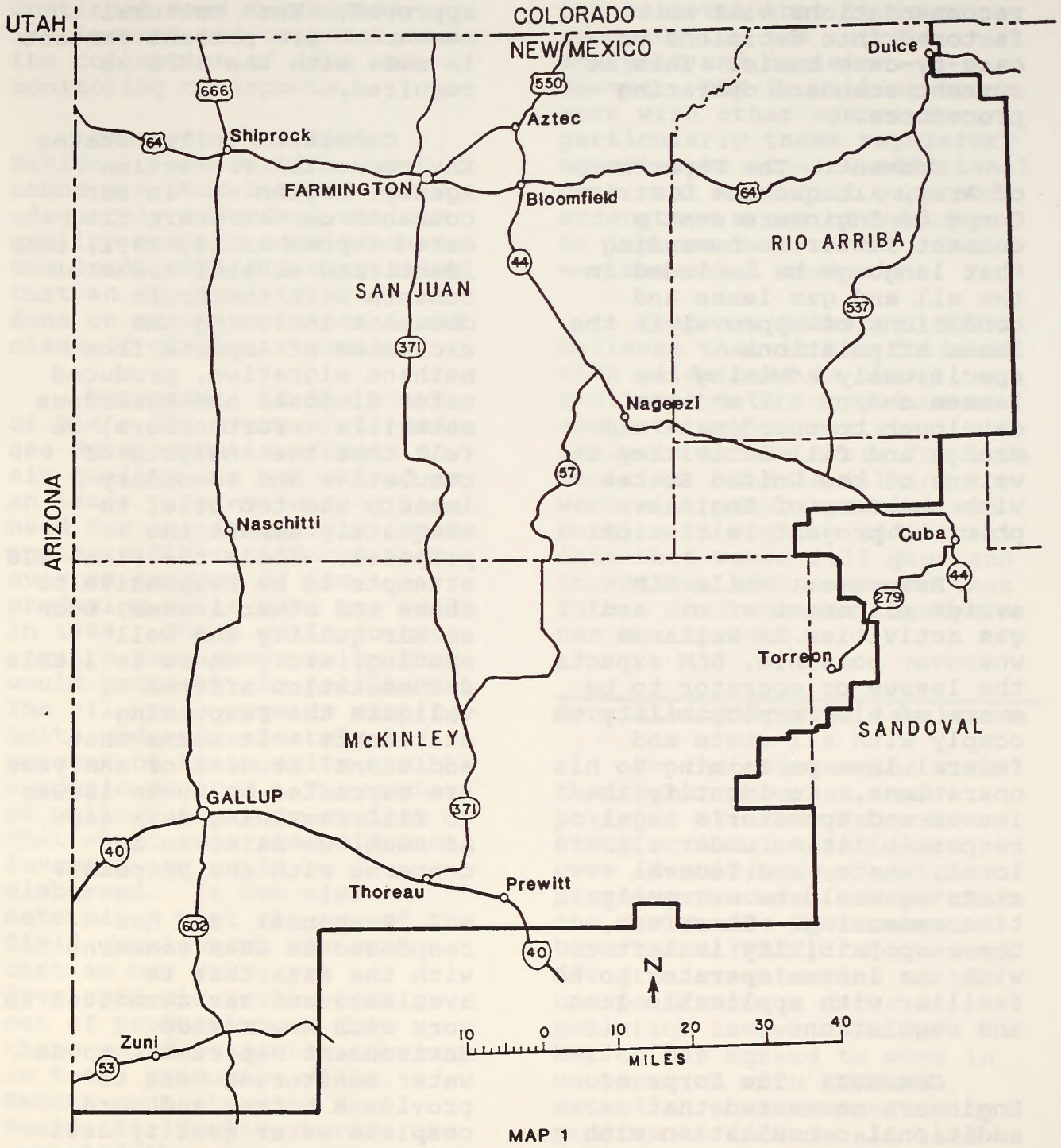
The Farmington RMP as amended and approved provides specific management decisions for the Farmington Resource Area (Map 1) for the next 20 years. Plan monitoring will be performed by periodic managerial reviews to ensure that all subsequent land-use management decisions conform to the Plan as amended and to the established guidelines. On-the-ground actions resulting from management decisions will be monitored by agency personnel to establish how effective mitigation measures are at minimizing environmental impacts.

Public Involvement

Public opinion, input and involvement has been sought throughout the planning and decision making process. Public participation was documented in detail in Chapter 5 of the PRMPA/FEIS. An annual RMP update document will be prepared to inform the public of the progress made in plan implementation.

Public involvement has continued and the following comments have been received during the 30 day waiting period following publication of the PRMPA/FEIS. The major focus of most of the comments is the heavily developed San Juan Basin in the Farmington Resource Area. However, some of the comments have Districtwide application.

The USDI Fish and Wildlife service (FWS) had asked in their June 20, 1991, comment letter on the Draft RMPA/EIS that BLM initiate consultation under section 7 of the Endangered Species Act. FWS identified the Colorado Squawfish as the species of concern. BLM requested the consultation and have now been told in phone conversation that it would be desirable to withdraw the request for consultation because the area of impact is not specific enough to provide for their analysis. However, FWS has asked (again in phone conversation) that BLM request a Section 7 consultation on the Proposed Alternative. BLM feels that this request will face the same questions of identifying the areas of impact that the earlier request faced but has agreed to request the consultation. BLM will continue to look at site specific action proposals throughout the District and if an assessment indicates a "may effect" situation exists Section 7 consultation will be requested and FWS



MAP 1

FARMINGTON RESOURCE AREA

recommendations will be factored into decisions on a case-by-case basis. This is current standard operating procedures.

Comment: The Department of Army, Albuquerque District, Corps of Engineers sent a comment letter recommending that language be included in the oil and gas lease and conditions of approval in the lease stipulations specifically advising the lessee and/or oil and gas developer to coordinate all dredge and fill activities in waters of the United States with the Corp of Engineers prior to project initiation.

Response: While BLM avoids placement of oil and gas activities in wetlands whenever possible, BLM expects the lessee or operator to be aware of his responsibility to comply with all state and federal laws pertaining to his operations. To identify the lessee and operator's legal responsibilities under all local, state, and federal statutes would be extremely time consuming. Therefore, the responsibility is left with the lessee/operator to be familiar with applicable laws and regulations.

Comment: The Corps of Engineers commented that additional consultation with the State Historic Preservation Officer (SHPO) is required on a project specific basis under the National Historic Preservation Act of 1966.

Response: Proposed activity sites are surveyed prior to activities being approved. When cultural resources are present contact is made with the SHPO as required.

Comment: United States Environmental Protection Agency, Region 6, "In our comments on the Draft EIS, dated September 18, 1991, EPA identified several areas of concern with the draft document including the exclusion of impacts from methane migration, produced water disposal and hazardous materials. Furthermore, we felt that the analysis of cumulative and secondary impacts was too brief to adequately assess the proposal. While the Final EIS attempts to be responsive to these and other issues, such as air quality and well spacing, etc., there is little documentation offered to validate the responding statements. It seems that additional studies or analyses are warranted on these issues to fill remaining data gaps. As such, we maintain our concerns with the proposal."

Response: BLM has responded to EPAs concerns with the data that is available and has committed to work with New Mexico Environment Department to do water monitoring work to provide a better and more complete water quality data base. BLM is also willing to work with the Environmental Department and/or other State agencies to build better base for air quality. BLM recognizes the need to continue to improve the data base and methodologies for improved environmental impact analysis. BLM recognizes the

continued need for agency involvement and cooperation in the collection of data and monitoring of impacts.

Comment: The USDI, National Park Service was concerned that BLM had not adequately addressed the air quality comment submitted on the Draft RMPA/EIS suggesting that an air quality study be done on mandatory class I and class II clean air areas.

Response: At the start of BLM's EIS process oil and gas development's effects on air quality was not raised as an issue. In evaluating the need for an air quality impact analysis BLM considered that over 85 percent of its producing wells were gas wells in 1989. These wells do not require pump power units that would generate air pollutants. The oil wells require pumping units and approximately 50 percent of these units are electric powered. The number of wells using pump engines that would generate pollutants is small and would be disbursed. It was also determined that the age of the field development was such that as new wells are developed old wells would go out of production so that there would be little increase in total producing wells. Recent contacts with New Mexico Air Quality Bureau has revealed that the recent development in Fruitland coal gas has resulted in a heavy concentration of gas processing plants near Bloomfield and that these plants have raised concerns about air impacts. This area is currently being monitored. BLM used existing information and believes that it is adequate for the current analysis and decision. However, BLM is willing to work with other agencies particularly those regulatory agencies to acquire additional data that will fill gaps and strengthen areas of weakness to improve future environmental analysis.

Response Summary: BLM believes that it has followed NEPA guidelines in using available data to produce an adequate environmental analysis as the basis for this decision. BLM is willing to work with other agencies and parties to acquire additional data that would fill gaps and strengthen weaknesses so that future environmental analysis can be improved.

Consistency/Protest Resolution

No inconsistencies with the plans, programs, and policies of other Federal State or Local Governments were identified during the planning process, except that the New Mexico Environment Department (NMED) felt a need for greater attention to the non-point source water pollution issue. BLM New Mexico has agreed to work in cooperation with NMED to establish a water monitoring program to include all land ownership interests in the San Juan River drainage area of New Mexico.

Public Availability of This Document

Copies of this document have been sent to those on the

mailing list for the PRMPA/FEIS. Copies of this document can be obtained from the Bureau of Land Management, Farmington Resource Area, 1235 La Plata Highway, Farmington, NM 87401.

Conclusion

This Record of Decision constitutes the final Bureau action involved in the approval of the Farmington Resource Area RMPA for oil and gas leasing and development. Any person adversely affected by the decision of the Bureau Officer in implementing some portion of an RMP may appeal such action to the Interior Board of Land Appeals pursuant to 43 Code of Federal Regulations 4.400 at the time the action is proposed for implementation.

1-29-92
Date

Larry L. Woodard
New Mexico State Director

Purpose and Need

"The primary purpose of the RMP Amendment is to "...establish the fluid minerals (oil and gas) determinations (areas closed to leasing with and without constraints) that...are required (for the entire oil and gas mineral estate) in every Resource Management Plan (RMP) prepared by the BLM (BLM Handbook H-1624-1 I-A.)." The Amendment is needed to comply with the requirement for identifying, where needed, "...fluid mineral determinations...in every RMP regardless of whether or not fluid minerals is associated with a planning issue or management concern (H-1624-1 II>C>)." Preparation of this document is guided by BLM planning regulations issued under the authority of the Federal Land Policy and Management Act of 1976 and by BLM Handbook H-1624-1 (Planning for Fluid Mineral Resources).

The current management constraints or restrictions to oil and gas leasing and development in Special Management Areas (SMAs) are updated and modified (if necessary) in this document. Additionally, areas are identified where 1) stipulations may be applied to new oil and gas leases, or 2) conditions of approval (COAs) may be attached to applications for permit to drill (APDs) on existing leases. (USDI,BLM Albuquerque District Proposed Resource Management Plan Amendment/Final Environmental Impact Statement Oil and Gas Leasing And Development)

The Planning Process

BLM's nine step planning process was followed:

1- Identification of issues, concerns, and opportunities.
2- Development of planning criteria.
3- Inventory data and information collection.
4- Analysis of the management situation.
5- Formulation of alternatives.
6- Estimation of effects of alternatives.
7- Selection of preferred alternative.
8- Selection of Resource Management Plan.
9- Monitoring and evaluation.

Planning Issues

Seven planning issues were identified.

1- Determine if there is additional federal mineral estate that should be considered for oil and gas leasing.
2- Based on reasonable foreseeable development (RFD) scenarios, determine the effects of developing oil and gas leases in identified

special management areas and other areas of concern.

3- Determine the impact of management constraints (lease stipulation and conditions of approval) on oil and gas development.

4- Identify the cumulative impacts of oil and gas development.

5- Determine if existing management constraints on oil and gas leasing and development are proper and sufficient to protect other resource values.

6- Identify management constraints necessary to address American Indian concerns and to protect wildlife, fragile soils, water resources, and other resource values.

7- Clarify the stipulations applied at the lease issuance stage and conditions of approval (COAs) applied before development activities begin.

Environmental Concerns

BLM manages the many resources produced on or found on Public Lands. These resources relate directly to the human environment and are evaluated in an environmental analysis. This evaluation may determine that there is no need for additional analysis or it may determine the need for detailed analysis. The following resources were evaluated.

1- Wild Horse and Burros
2- Air Quality
3- Vegetation and Non-sensitive Habitat
4- Grazing Management
5- Designated Wilderness Areas
6- Disposal of Produced Water
7- Methane (Coal Gas) Migration
8- Geothermal Resources
9- Social and Economic Concerns
10- Hazardous Material
11- Threatened and Endangered (T&E) Plant and Animal Species
12- Oil and Gas
13- Visual Resources
14- Recreation
15- Wilderness Study Areas
16- Wildlife
17- Soils
18- Hydrology
19- Cultural Resources
20- Paleontology
21- Forestry

Alternatives

Several alternatives were considered and evaluated. The following three were analyzed in detail.

1- Current Management (No Action)- Under this alternative, existing policy and decisions established in the RMP would remain in effect unchanged.

2- Production- The primary emphasis of this alternative is to focus on the leasing and development of oil and gas resources. Except for areas closed to leasing (nondiscretionarily) by legislation, oil and gas resources would be leased and/or developed under BLM's standard terms and conditions. Special lease stipulations would not be attached to future leases.

3- Preferred- The primary emphasis of this alternative is to focus on the protection and preservation of cultural, visual, recreation, wildlife, and paleontological resource values particularly in SMAs. Under this alternative some existing lease stipulations for SMAs would be modified. Management constraints would be placed on a number of SMAs, and some areas now discretionarily closed to leasing would be opened with management constraints. Stipulations would be attached to new leases issued in SMAs. Development of existing leases would continue according to the terms of the lease. The BLM would consult with lessees to implement management constraints on existing leases. Management of other public lands and resources would continue according to the policy and decisions established in previous planning documents. Under this alternative, SMAs designated as Wilderness Study Areas (WSAs) would be closed nondiscretionarily. If these WSAs are dropped by Congress from wilderness consideration and were not assigned other special status designations in previous RMPs, they would be open to leasing and development under standard terms and conditions.

Selected Amended Resource Management Plan

The impacts were analyzed for each alternative. The range of impacts was narrow because the area where change could occur was limited to special management areas. The previous RMP/EIS had narrowed the areas of resource use conflicts to the special management areas including SMAs, ACECs, RNAs, and critical wildlife habitat. As a result of the impact analysis and public input to the draft RMP Amendment/EIS the Preferred Alternative was selected as the Proposed Amended Resource Management Plan except for the Simon Canyon Recreation Area, Carracas Mesa, Thomas Canyon, The Hogback ACEC, and Reese Canyon RNA where the Current Management Alternative was selected as detailed in Table 1 below.

In summary, the decisions and management prescriptions of the July 1988 Farmington Resource Management Plan continue to be valid except as they are specifically listed and changed below. These changes are the result of this amendment process and when used in conjunction with the 1988 RMP become the 1991 Amended Farmington Resource Management Plan.

Table 1 - Farmington Resource Management Plan
Decision Changes
Resulting From 1991 Albuquerque District Oil and Gas Resource
Management Plan Amendment

Area Name	Management Goal	1988 Resource Plan Reference Page	1988 Resource Plan Management Direction	1991 Amended Resource Management Plan Reference Page	1991 Amended Resource Management Plan Management Direction	Remarks
Simon Canyon Recreation Area/ACEC	Preserve and Protect the Natural and Cultural Values.	5-8	No new oil and gas leasing.	A-3 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and gas resources to the extent possible under existing lease terms. If a lease expires it would not be re-leased but would be a no leasing area.	
Angel Peak Recreation Area	Preserve and Protect natural, scenic, and outdoor recreation values.	5-10	Open to oil and gas leasing under standard terms and conditions.	A-3 A-9	Controlled surface use restrictions for the protection of non-oil and gas resources will be applied to the extent possible under existing lease terms.	
Angel Peak ACEC	Preserve and Protect natural, scenic, and outdoor recreation values.	5-10	Closed to oil and gas leasing.	A-3 A-9	Open to leasing with a no surface occupancy stipulation.	

Carracas Mesa	Manage for semi-primitive non-motorized outdoor recreation opportunities	5-12	Closed to oil and gas leasing.	A-3 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and gas resources to the extent possible under existing lease terms. If a lease expires it would not be re-leased but would be a no leasing area.
Thomas Canyon	Manage for semi-primitive non-motorized outdoor recreation opportunities.	5-14	Closed to oil and gas leasing.	A-3 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and gas resources to the extent possible under existing lease terms. If a lease expires it would not be re-leased but would be a no leasing area.
Glade Run Trail System	Trail administration designed for bicycles and small ORVs. Diversity in trail surface, scenery, terrain, physical challenge and personal risk will be maintained.	5-18	Open to oil and gas leasing with standard lease terms and conditions.	A-3 A-9	Open to leasing with a controlled surface use stipulation.

Continental Divide Trail	Facilitate and ensure the coordinated location, development, and maintenance of high quality trail route.	5-20	Open to oil and gas leasing under standard terms and conditions.	A-3 A-9	Open to leasing with controlled surface use stipulations.
Ah-shi-sle-pah Wilderness Study Area	Preserve natural, solitude, and primitive recreation values.	5-26	Closed to oil and gas leasing.	A-3 A-9	If Congress drops the area from wilderness consideration it will be open to oil and gas leasing under standard terms and conditions.
Shepard Site	Preserve cultural and recreational values.	5-29	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Hooded Fireplace and Largo School ACEC	Preserve cultural and recreational values.	5-29	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Tapacito and Split Rock District ACEC	Preserve cultural and recreational values.	5-29	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Frances Ruin ACEC	Preserve cultural and recreational values.	5-29	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Christmas Tree Ruin	Preserve cultural and recreational values.	5-29	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Simon Ruin	Preserve cultural and recreational values.	5-29	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.

Romine Canyon Ruin	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Prieta Mesa Site	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Delgadito Pueblito	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Cagle's Site	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Adam's Canyon Site	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Casa Mesa Diablo	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Rincon Rockshelter	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Hill Road Ruin	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Gomez Points Site	Preserve cultural and recreational values.	5-30	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Gomez Canyon Ruin	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.

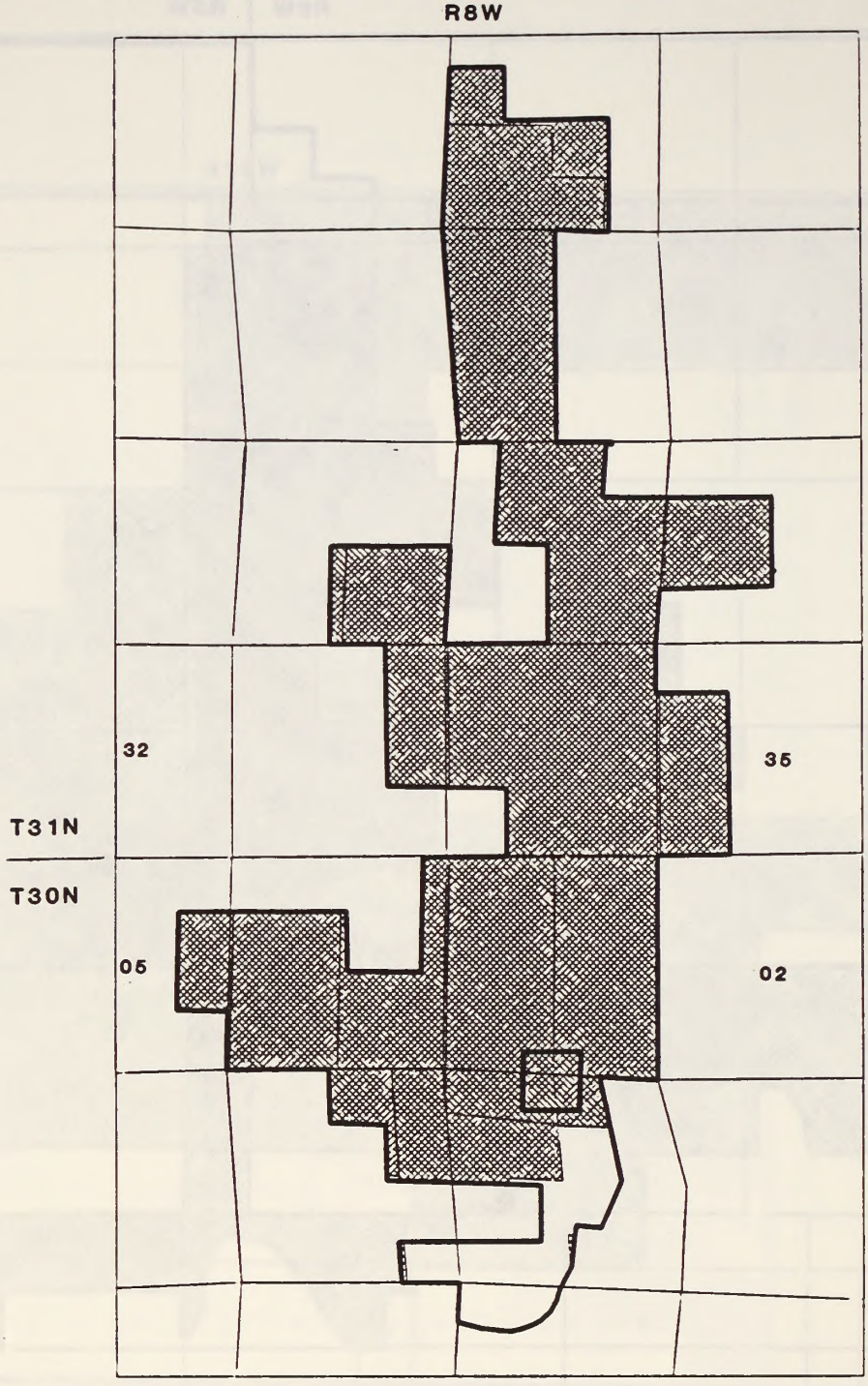
Adolfo Canyon Site	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Unreachable Rockshelter	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Compressor Station Ruin	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Foothold and Overlook Ruins District	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Pointed Butte Ruin	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Rincon Largo District	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Kin Yazhi	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Canyon View Ruin	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
San Rafael Canyon ACEC	Preserve cultural and recreational values.	5-31	Closed to oil and gas leasing.	A-3 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and

					gas resources to the extent possible under existing lease terms.
Gobernador Knob	Protect cultural values.	5-34	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Salt Point ACEC	Protect cultural values.	5-34	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Huerfano Mesa	Protect cultural values.	5-34	Closed to oil and gas leasing.	A-3 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and gas resources to the extent possible under existing lease terms.
Kin Nizhoni	Protect cultural values.	5-38	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Pierre's Site ACEC	Protect cultural values.	5-38	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Halfway House ACEC	Protect cultural values.	5-38	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Twin Angels ACEC	Protect cultural values.	5-38	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.

Holmes Group	Protect cultural values.	5-41	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Casamero Community ACEC	Protect cultural and recreation values.	5-42	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Beechatuda Tongue	Protection of scientific study values.	5-50	Closed to oil and gas leasing.	A-3 A-9	Open to oil and gas leasing with no surface occupancy stipulation.
Coal Belt	Manage to protect coal development potential.	5-52	Lease oil and gas under standard terms and conditions.	A-3 A-9	Open to oil and gas leasing with a controlled surface use stipulation.
Torreon Right-of-Way Window	Route rights-of-way away from SMAs where they are incompatible.	5-54	Closed to oil and gas leasing.	A-4 A-9	Open to oil and gas leasing with a controlled surface use stipulation.
Continental Divide Right-of-Way Window	Route rights-of-way away from SMAs where they are incompatible.	5-54	Closed to oil and gas leasing.	A-4 A-9	Open to oil and gas leasing with a controlled surface use stipulation.
Escavada Right-of-Way Window	Route rights-of-way away from SMAs where they are incompatible.	5-54	Closed to oil and gas leasing.	A-5 A-9	Open to oil and gas leasing with a controlled surface use stipulation.
Betonnie Tsosie Right-of-Way Window	Route rights-of-way away from SMAs where they are incompatible.	5-54	Closed to oil and gas leasing.	A-5 A-9	Open to oil and gas leasing with a controlled surface use stipulation.
The Hogback ACEC	Protect Habitat for threatened and endangered plants and animals.	5-56	Closed to oil and gas leasing.	A-5 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and

					gas resources to the extent possible under existing lease terms. If a lease expires it would not be released but would be a no leasing area.	
Reese Canyon RNA	Protect and enhance habitat for Los Pinos milk-vetch and other sensitive plant species.	5-58	Closed to oil and gas leasing.	A-5 A-9	The unleased acreage will continue to be closed to leasing. The leased acreage will be managed using controlled surface use restrictions for the protection of non-oil and gas resources to the extent possible under existing lease terms. If a lease expires it would not be released but would be a no leasing area.	
Aztec Gila ACEC	Protect habitat for a federal and state listed endangered species.	5-60	Lease oil and gas under standard terms and conditions.	A-5 A-9	Open to oil and gas leasing with a no surface occupancy stipulation.	
Bald Eagle ACEC	Protect habitat for a federal and state listed endangered species.	5-64	Lease oil and gas under standard terms and conditions.	A-5 A-9	Open to oil and gas leasing with a no surface occupancy stipulation.	
Mule deer, elk wintering, antelope wintering/ calving Range	Protect critical wildlife areas.	2-24	Lease oil and gas under standard terms and conditions.	A-5 A-9	Open to oil and gas leasing with seasonal or timing use stipulations.	Development restricted during the following periods: - big game and antelope winter range (December 1 through March 15) - elk calving and crucial use area (December 1 through July 15) - antelope fowning areas (May 1 through July 15)

Raptor Nesting Areas	Protect wildlife use area.	2-24	Lease oil and gas under standard terms and conditions.	A-5 A-9	Open to oil and gas leasing with seasonal or timing use stipulations.	Development restricted during the following period: - raptor nesting areas (March 1 through June 30)
Bald Eagle Roosting	Protect wildlife use area.	2-24	Lease oil and gas under standard terms and conditions.	A-5 A-9	Open to oil and gas leasing with seasonal or timing use stipulations.	Development restricted during the following period: - bald eagle roosting areas (November 1 through March 31)
Torreon Fossil Fauna	Protect area for scientific study	5-66	Lease oil and gas under standard terms and conditions.	A-5 A-9	Lease oil and gas with a controlled surface use stipulation.	
Kutz Canyon Paleo Area	Protect area for scientific study	5-68	Lease oil and gas under standard terms and conditions.	A-5 A-9	Lease oil and gas with a controlled surface use stipulation.	
Betonnie Tsosie	Protect area for scientific study.	5-70	Lease oil and gas under standard terms and conditions.	A-5 A-9	Lease oil and gas with a controlled surface use stipulation.	
Farmington Lake Watershed	Protect reservoir waters from contamination, extend reservoir life through sediment reduction.	5-74	Lease oil and gas under standard terms and conditions.	A-5 A-9	Lease oil and gas with a controlled surface use stipulation.	



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2.0 0 MILE 2.0

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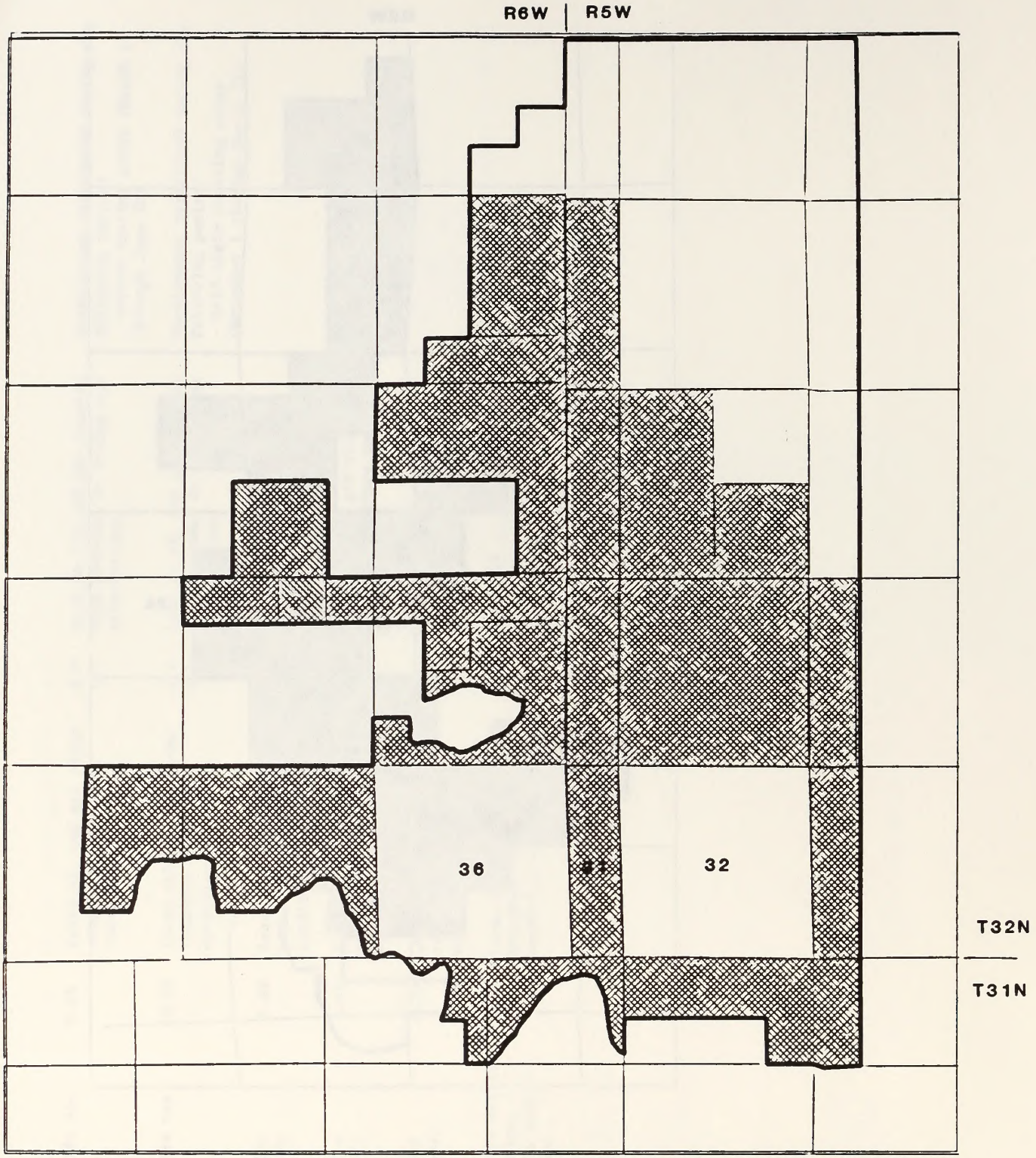
OIL AND GAS LEASES

SIMON CANYON RECREATION AREA OIL AND GAS LEASES



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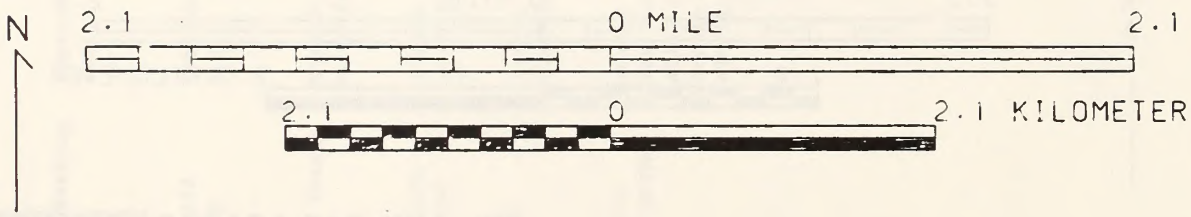
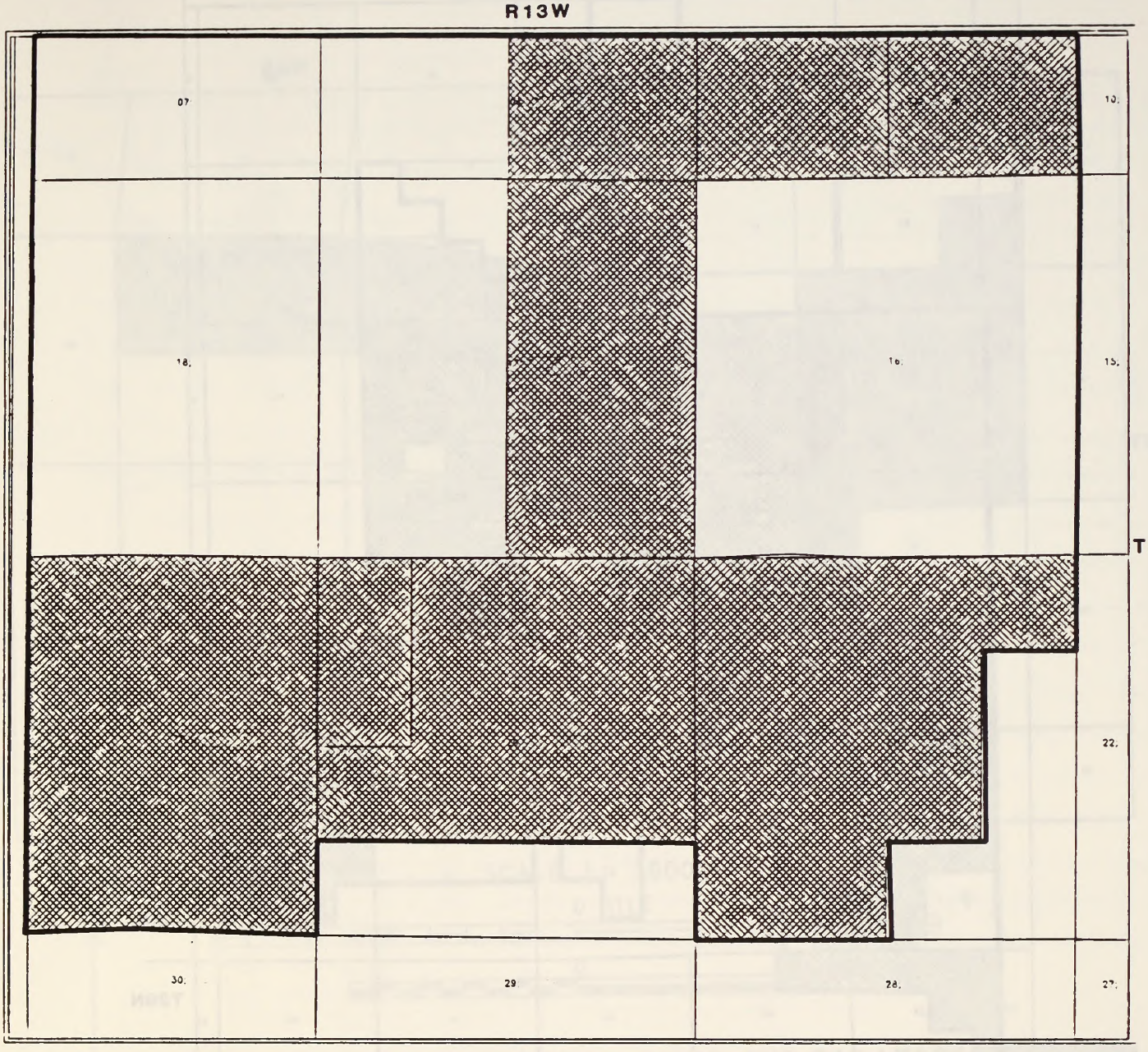


OIL AND GAS LEASES

CARRACAS MESA SMA OIL AND GAS LEASES



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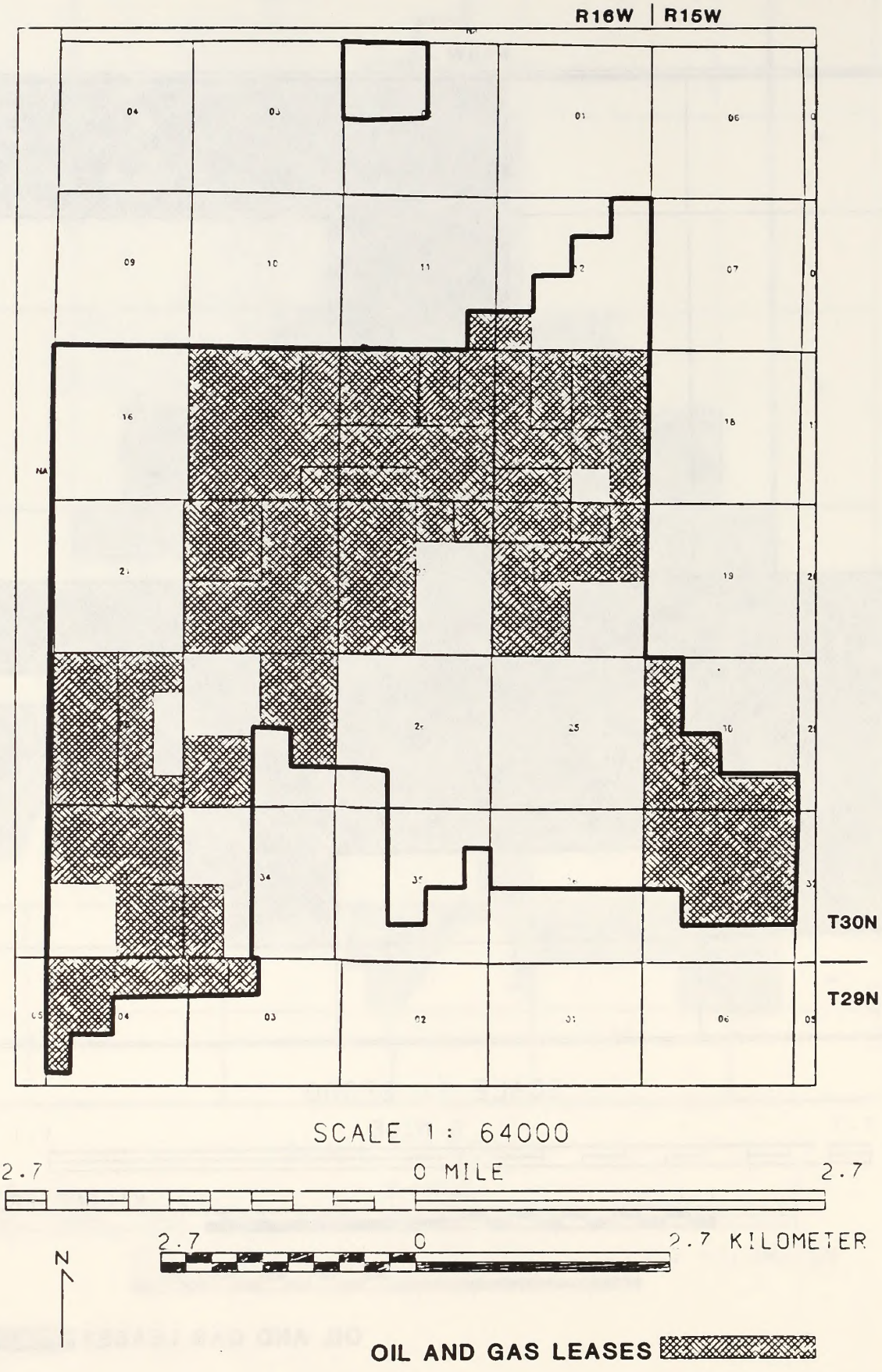
OIL AND GAS LEASES

THOMAS CANYON SMA OIL AND GAS LEASES



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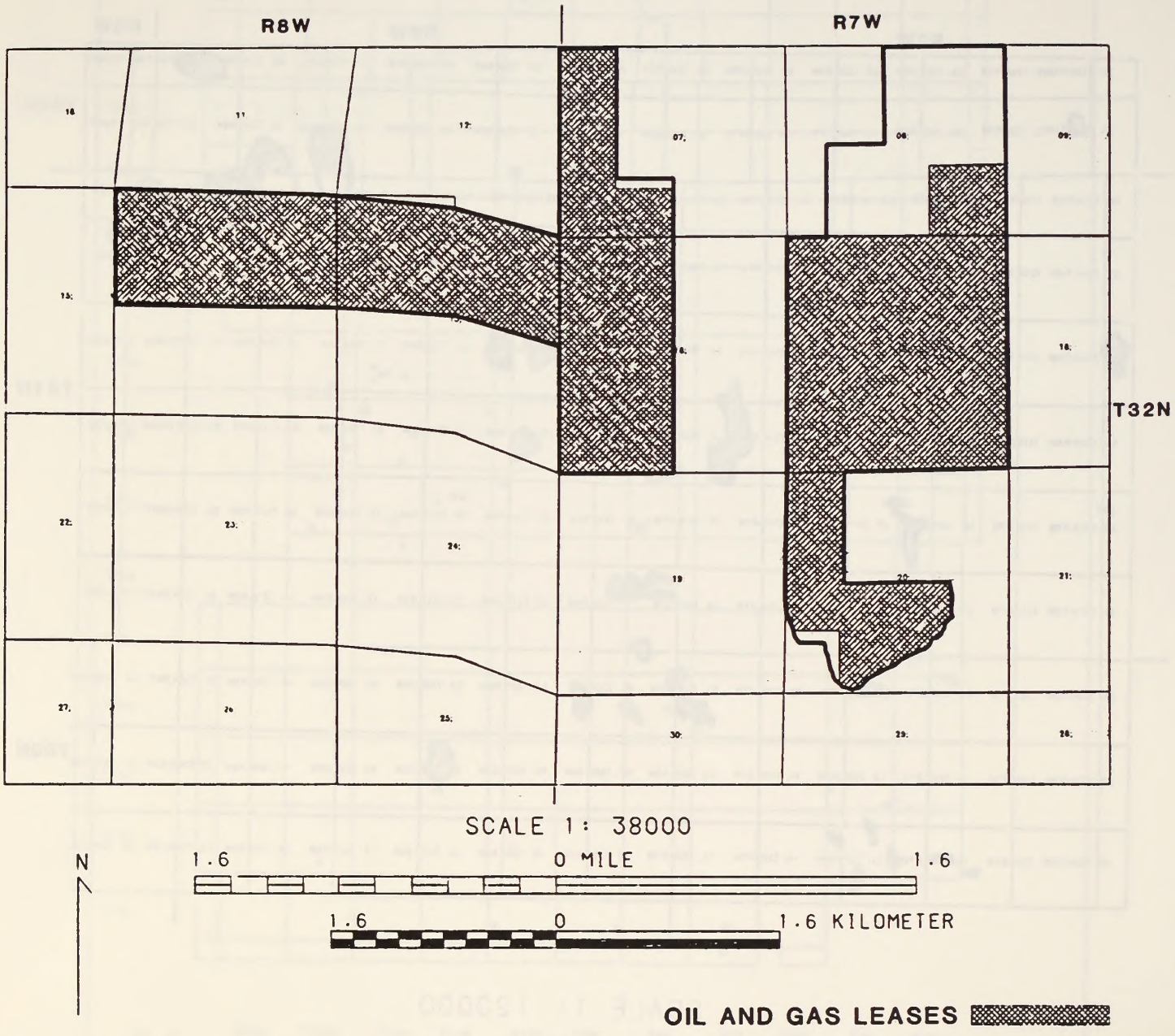
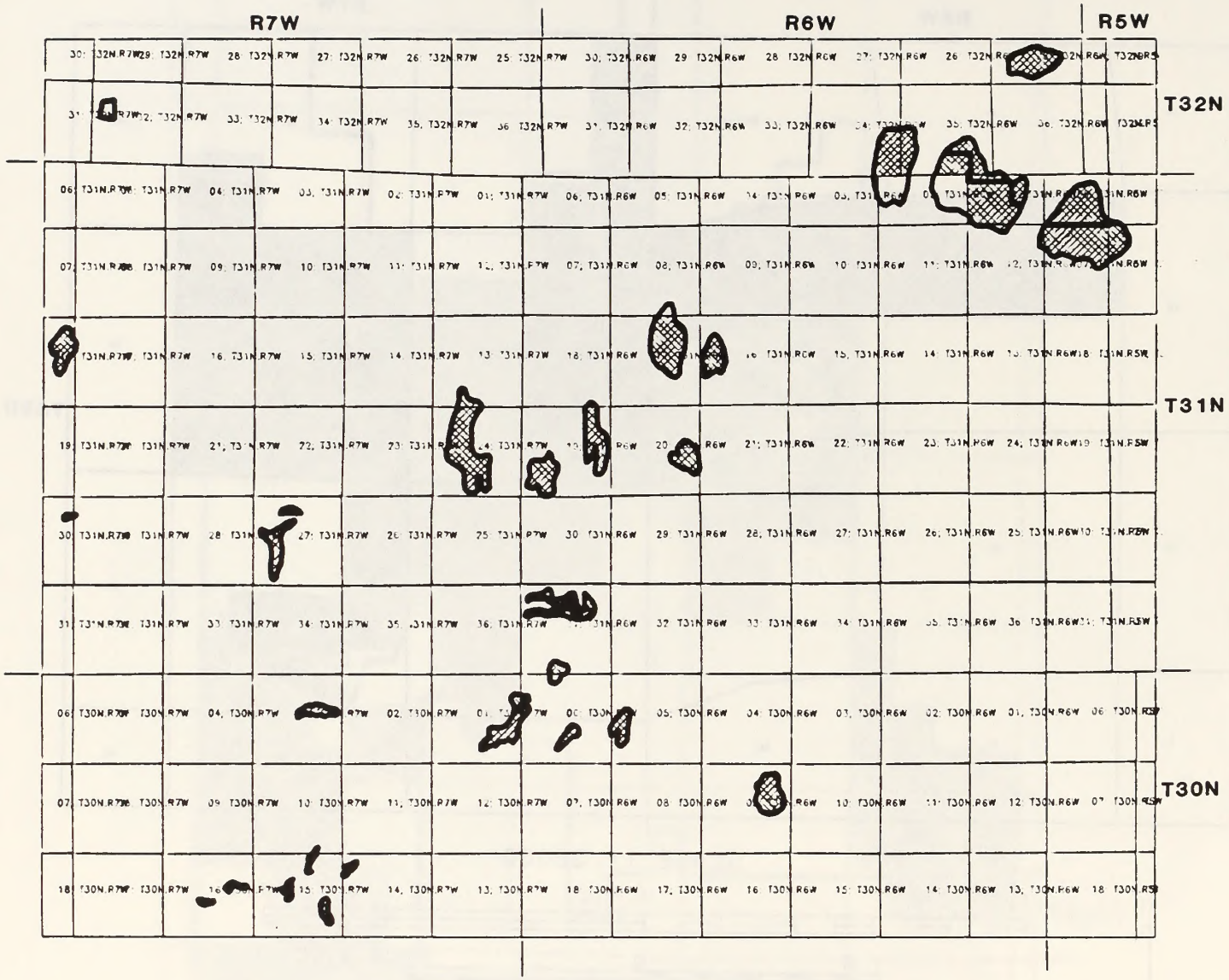


REESE CANYON RNA OIL AND GAS LEASES



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5.0 0 MILE 5.0

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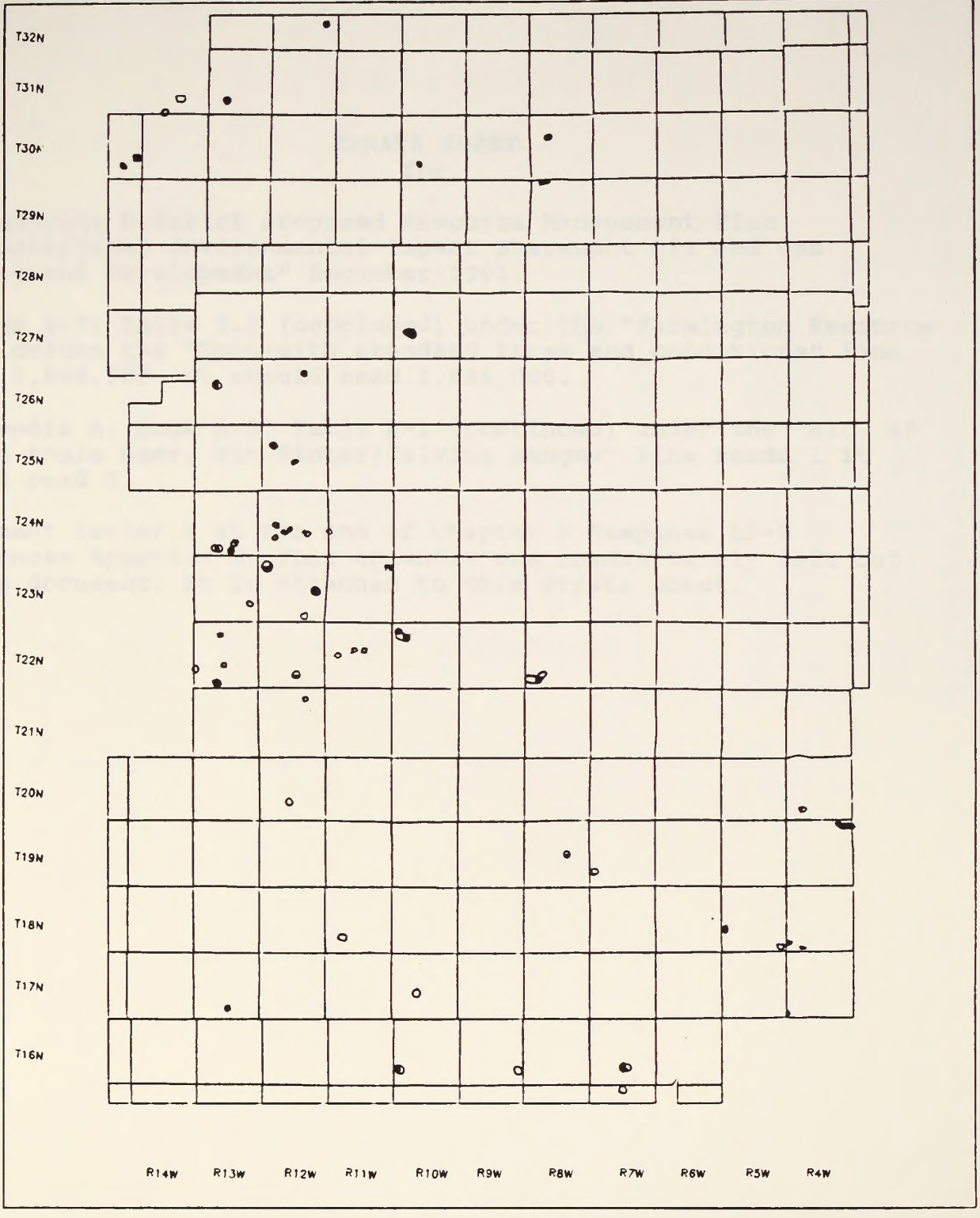
OIL AND GAS LEASES

BALD EAGLE ACEC OIL AND GAS LEASES



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37.5 0 MILE 37.5

37.5 0 37.5 KILOMETER

OIL AND GAS LEASES

RAPTOR NESTING HABITAT OIL AND GAS LEASES

ERRATA SHEET
for

"Albuquerque District Proposed Resource Management Plan Amendment/Final Environmental Impact Statement Oil and Gas Leasing and Development" December 1991.

1- Page 2-7: Table 2.3 (concluded) under the "Farmington Resource Area" column the "Open-with standard terms and conditions" line reads 1,848,700 it should read 1,848,000.

2-Appendix A, page A-5: Table A-1 (continued) under the "Alt. A" column "Mule Deer, Elk Winter/Calving Ranges" line reads 1 it should read 2.

3-Comment letter 8 at the end of Chapter 5 Response L8-B references Appendix M. This appendix was inadvertently left out of the document. It is attached to this errata sheet.

APPENDIX M

AIRS FACILITY SUBSYSTEM QUICK LOOK REPORT

NOX, CO, & VOC SOURCES IN NORTHWESTERN NEW MEXICO

DATE: 10/07/91 PAGE: 3

COUNTY NO.	NEO NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY SIC CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMH (KM)	UTMV (KM)
006	0001	CIBOLA CO	GRANTS	ANACONDA MINERA	1094	URANIUM-RADIUM-VANADIUM	CO	0.0000000	13	231.9	3905.1
							NO2	0.0000000	13	231.9	3905.1
							VOC	0.0000000	13	231.9	3905.1
	0003	CIBOLA CO	MILAN	BLEVINS LUMBER	2421	SAWMILLS & PLANING MILLS	CO	455.0000000	13	231.0	3903.0
							NO2	4.0000000	13	231.0	3903.0
	0004	CIBOLA CO	MILAN	MT. TAYLOR MILL	2431	MILLWORK	CO	96.0000000	13	237.0	3895.6
							NO2	1.0000000	13	237.0	3895.6
	0006	CIBOLA CO	LAGUNA	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	93.0000000	13	288.5	3874.5
							NO2	731.0000000	13	288.5	3874.5
							VOC	301.0000000	13	288.5	3874.5
	0008	CIBOLA CO	LAGUNA	TRANSWESTERN PI	4922	NATURAL GAS TRANSMISSION	CO	166.0000000	13	289.5	3876.3
							NO2	1311.0000000	13	289.5	3876.3
							VOC	54.0000000	13	289.5	3876.3
	0009	CIBOLA CO	GRANTS	UNITED NUCLEAR	1094	URANIUM-RADIUM-VANADIUM	CO	0.0000000	13	260.0	3920.0
							NO2	0.0000000	13	260.0	3920.0
							VOC	0.0000000	13	260.0	3920.0

SUBTOTAL NUMBER OF LINES FOR CNTY : 16

COUNTY NO.	MED NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMH (KM)	UTMV (KM)
031	0002	MC KINLEY CO	THOREAU	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	732.0000000	12	752.0	3920.0
							NO2	1241.0000000	12	752.0	3920.0
							VOC	511.0000000	12	752.0	3920.0
	0003	MC KINLEY CO	GALLUP	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	168.0000000	12	713.0	3975.0
							NO2	850.0000000	12	713.0	3975.0
							VOC	3.0000000	12	713.0	3975.0
	0004	MC KINLEY CO	FORT WINGATE	EL PASO NATURAL	1311	CRUDE PETROLEUM & NATURA	CO	20.0000000	12	714.0	3935.6
							NO2	179.0000000	12	714.0	3935.6
							VOC	26.0000000	12	714.0	3935.6
	0006	MC KINLEY CO	GALLUP	HAMILTON BROS I	1611	HIGHWAY AND STREET CONST	CO	0.0000000	12	695.4	3933.3
							NO2	0.0000000	12	695.4	3933.3
							VOC	0.0000000	12	695.4	3933.3
	0007	MC KINLEY CO	AMBROSIA LAK	QUIVIRA MINING	2819	INDUSTRIAL INORGANIC CHE	CO	0.0000000	13	243.6	3922.7
							NO2	0.0000000	13	243.6	3922.7
							VOC	0.0000000	13	243.6	3922.7
	0008	MC KINLEY CO	GALLUP	GIANT REFINING	2911	PETROLEUM REFINING	VOC	376.5000000	12	734.0	3931.0
							NO2	703.5000000	12	734.0	3931.0
							CO	80.0000000	12	734.0	3931.0
	0009	MC KINLEY CO	CUBA, NM	SOUTHERN UNION	4923	GAS TRANSMISSION AND DIS	CO	0.0000000	13	278.0	3979.0
							NO2	0.0000000	13	278.0	3979.0
	0010	MC KINLEY CO	THOREAU	TRANSWESTERN PI	4922	NATURAL GAS TRANSMISSION	CO	189.0000000	12	751.0	3923.4
							NO2	1335.0000000	12	751.0	3923.4
							VOC	550.0000000	12	751.0	3923.4
	0012	MC KINLEY CO	NAVAJO	NAVAJO FOREST P	2421	SAWMILLS & PLANING MILLS	CO	1930.0000000	12	680.0	3970.0
							NO2	640.0000000	12	680.0	3970.0
							VOC	2304.0000000	12	680.0	3970.0
	0015	MC KINLEY CO		MOBIL MINING &	1429	CRUSHED AND BROKEN STONE	CO	0.0000000	12	750.0	3951.0
							NO2	0.0000000	12	750.0	3951.0
							VOC	0.0000000	12	750.0	3951.0
	0020	MC KINLEY CO	GALLUP	UNITED NUCLEAR	1094	URANIUM-RADIUM-VANADIUM	NO2	80.0000000	12	715.0	3936.0
	0026	MC KINLEY CO	STAR LAKE	GAS COMPANY OF	4922	NATURAL GAS TRANSMISSION	CO	70.0000000	13	278.0	3975.0
							NO2	412.0000000	13	278.0	3975.0
							VOC	18.0000000	13	278.0	3975.0
	0082	MC KINLEY CO	PREWITT	PLAINS ELECTRIC	4911	ELECTRIC SERVICES	CO	570.0000000	12	764.7	3922.0
							NO2	7050.0000000	12	764.7	3922.0
							VOC	66.0000000	12	764.7	3922.0

SUBTOTAL NUMBER OF LINES FOR CNTY : 36

COUNTY NO.	NEO NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMN (KM)	UTMV (KM)
039	0002	RIO ARRIBA C		EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	93.0000000	13	271.0	4041.4
							NO2	742.0000000	13	271.0	4041.4
							VOC	305.0000000	13	271.0	4041.4
	0003	RIO ARRIBA C		EL PASO NATURAL	1311	CRUDE PETROLEUM & NATURA	CO	97.0000000	13	285.3	4020.8
							NO2	773.0000000	13	285.3	4020.8
							VOC	319.0000000	13	285.3	4020.8
	0004	RIO ARRIBA C	ABIQUIU	BECHTEL CONSTRU	1623	WATER SEWER AND UTILITY	NO2	950.0000000	13	373.5	4013.0
							VOC	17.2200000	13	373.5	4013.0
	0005	RIO ARRIBA C	LINDRITH	EL PASO NATURAL	4923	GAS TRANSMISSION AND DIS	CO	0.0000000	13	271.0	4040.3
							NO2	0.0000000	13	271.0	4040.3
	0006	RIO ARRIBA C	FARMINGTON	AMOCO PRODUCTIO	4922	NATURAL GAS TRANSMISSION	CO	0.0000000	13	299.5	4059.1
							NO2	126.0000000	13	299.5	4059.1
							VOC	0.0000000	13	299.5	4059.1
	0007	RIO ARRIBA C	COUNSELOR	NORTHWEST PIPEL	4922	NATURAL GAS TRANSMISSION	CO	0.0000000	13	305.0	4040.3
							NO2	228.0000000	13	305.0	4040.3
	0009	RIO ARRIBA C		MESA PETROLEUM	4922	NATURAL GAS TRANSMISSION	CO	5.0000000	13	266.5	4015.0
							NO2	45.0000000	13	266.5	4015.0
							VOC	16.0000000	13	266.5	4015.0
	0010	RIO ARRIBA C		SOUTHERN UNION	1311	CRUDE PETROLEUM & NATURA	CO	0.0000000	13	271.2	4012.5
							NO2	476.0000000	13	271.2	4012.5
							VOC	0.0000000	13	271.2	4012.5
	0011	RIO ARRIBA C	ESPANOLA	SOUTHERN UNION	4923	GAS TRANSMISSION AND DIS	CO	0.0000000	13	278.0	4032.0
							NO2	0.0000000	13	278.0	4032.0
	0013	RIO ARRIBA C	CHAMA	YOUNG CASH LUMB	2421	SAWMILLS & PLANING MILLS	CO	62.0000000	13	360.0	4085.0
							NO2	1.0000000	13	360.0	4085.0
							VOC	5.0000000	13	360.0	4085.0
	0019	RIO ARRIBA C	LINDRITH	UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	7.0000000	13	304.0	4033.0
							NO2	52.0000000	13	304.0	4033.0
	0020	RIO ARRIBA C		CONOCO, INC.	4922	NATURAL GAS TRANSMISSION	CO	6.0000000	13	286.0	4020.0
							NO2	82.0000000	13	286.0	4020.0
							VOC	3.0000000	13	286.0	4020.0
	0021	RIO ARRIBA C	LYBROOK,	GIANT IND. ARIZ	1311	CRUDE PETROLEUM & NATURA	VOC	4.0000000	13	278.0	4026.0
	0022	RIO ARRIBA C		CONOCO, INC.	4922	NATURAL GAS TRANSMISSION	CO	6.0000000	13	296.0	4028.0
							NO2	44.0000000	13	298.0	4028.0
							VOC	2.0000000	13	298.0	4028.0
	0023	RIO ARRIBA C	BLANCO,	MERIDIAN OIL -	4922	NATURAL GAS TRANSMISSION	CO	163.6000000	13	268.0	4075.0
							NO2	153.6000000	13	268.0	4075.0
							VOC	40.8000000	13	268.0	4075.0
	0024	RIO ARRIBA C	BLOOMFIELD	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	46.0000000	13	278.0	4032.0
							NO2	122.0000000	13	278.0	4032.0
							VOC	3.0000000	13	278.0	4032.0
	0025	RIO ARRIBA C	BLOOMFIELD	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	12.0000000	13	293.0	4036.0
							NO2	75.0000000	13	293.0	4036.0
							VOC	3.0000000	13	293.0	4036.0
	0026	RIO ARRIBA C	FARMINGTON	UNION OIL/CORP	4922	NATURAL GAS TRANSMISSION	NO2	13.0000000	13	273.4	4044.2

COUNTY NO.	NEB NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMX (KM)	UTMY (KM)
039	0026	RIO ARRIBA C	FARMINGTON	UNION OIL/COMP	4922	NATURAL GAS TRANSMISSION	VOC	3.0000000	13	273.4	4044.2
							CO	6.5000000	13	273.4	4044.2
	0027	RIO ARRIBA C	LLAVES	BENSON-MONTIN-G	1321	NATURAL GAS LIQUIDS	CO	52.5000000	13	329.4	4029.5
							NO2	125.7000000	13	329.4	4029.5
							VOC	19.0000000	13	329.4	4029.5
	0028	RIO ARRIBA C	CUBA	APACHE CORP./BE	1311	CRUDE PETROLEUM & NATURA	VOC	21.5000000	13	319.0	4040.0
							CO	5.6000000	13	319.0	4040.0
							NO2	43.3000000	13	319.0	4040.0

SUBTOTAL NUMBER OF LINES FOR CNTY : 53

COUNTY NO.	MED NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMH (KM)	UTMV (KM)
043	0001	SANDOVAL CO	CUBA	MUKE CITY LUMBE	2421	SAWMILLS & PLANING MILLS	CO	0.0000000	13	323.5	3988.0
							NO2	0.0000000	13	323.5	3988.0
	0002	SANDOVAL CO	BERNALILLO	GAS CO. OF N. M	4922	NATURAL GAS TRANSMISSION	CO	9.0000000	13	360.0	3910.0
							NO2	49.0000000	13	360.0	3910.0
	0003	SANDOVAL CO	ALGODONES	PLAINS ELECTRIC	4911	ELECTRIC SERVICES	NO2	268.0000000	13	367.0	3917.0
							CO	60.0000000	13	367.0	3917.0
							VOC	12.0000000	13	367.0	3917.0
	0004	SANDOVAL CO	SANDOVAL COU	IDEAL BASIC IND	1211	BITUMINOUS COAL AND LIGN	CO	0.0000000	13	325.0	3978.0
							NO2	0.0000000	13	325.0	3978.0
							VOC	0.0000000	13	325.0	3978.0
	0005	SANDOVAL CO	RIO RANCHO	INTEL CORPORATI	3674	SEMICONDUCTORS & RELATED	NO2	13.0000000	13	344.9	3899.3
							VOC	121.0000000	13	344.9	3899.3
	0006	SANDOVAL CO	BERNALILLO	CENTEX AMER. GY	3275	GYPSUM PRODUCTS	CO	15.0000000	13	361.3	3910.6
							NO2	58.0000000	13	361.3	3910.6
							VOC	1.0000000	13	361.3	3910.6
	0008	SANDOVAL CO	BERNALILLO	GAS COMPANY OF	4922	NATURAL GAS TRANSMISSION	CO	17.0000000	13	362.0	3911.0
							NO2	95.0000000	13	362.0	3911.0
							VOC	4.0000000	13	362.0	3911.0
	0009	SANDOVAL CO	SAN YSIDRO	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	4.0000000	13	336.0	3932.0
							NO2	33.0000000	13	336.0	3932.0
							VOC	1.0000000	13	336.0	3932.0
	0010	SANDOVAL CO	BERNALILLO	GAS CO OF NM (C	4922	NATURAL GAS TRANSMISSION	CO	14.0000000	13	329.0	3927.0
							NO2	36.0000000	13	329.0	3927.0
							VOC	1.0000000	13	329.0	3927.0
	0011	SANDOVAL CO	CUBA	GIANT/CINIZA/GT	1311	CRUDE PETROLEUM & NATURA	VOC	1.0000000	13	267.0	3992.0
	0012	SANDOVAL CO	CUBA	MID-AMERICA/SAN	4922	NATURAL GAS TRANSMISSION	CO	33.2000000	13	315.0	3953.0
							NO2	64.8000000	13	313.0	3953.0

SUBTOTAL NUMBER OF LINES FOR CNTY : 27

COUNTY NO.	MED NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMH (KM)	UTMV (KM)
045	0002	SAN JUAN CO	FRUITLAND	ARIZONA PUBLIC	4911	ELECTRIC SERVICES	CO	2414.0000000	12	732.0	4067.0
							NO2	85048.0000000	12	732.0	4067.0
							VOC	282.0000000	12	732.0	4067.0
	0003	SAN JUAN CO	BLOOMFIELD	UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	4.0000000	13	252.0	4057.0
							NO2	34.0000000	13	252.0	4057.0
							VOC	12.0000000	13	252.0	4057.0
	0006	SAN JUAN CO	BLOOMFIELD	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	18.0000000	13	239.2	4054.0
							NO2	140.0000000	13	239.2	4054.0
							VOC	58.0000000	13	239.2	4054.0
	0007	SAN JUAN CO	BLOOMFIELD	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	69.0000000	13	253.4	4038.5
							NO2	546.0000000	13	253.4	4038.5
							VOC	225.0000000	13	253.4	4038.5
	0008	SAN JUAN CO	BLOOMFIELD	EL PASO NATURAL	1311	CRUDE PETROLEUM & NATURA	CO	326.1000000	13	235.7	4069.0
							NO2	2758.4000000	13	235.7	4069.0
							VOC	62.1000000	13	235.7	4069.0
	0009	SAN JUAN CO	FARMINGTON	EL PASO NATURAL	1311	CRUDE PETROLEUM & NATURA	CO	425.0000000	12	758.0	4041.4
							NO2	2794.0000000	12	758.0	4041.4
							VOC	67.0000000	12	758.0	4041.4
	0010	SAN JUAN CO	KIRTLAND	WESTERN GAS RES	1311	CRUDE PETROLEUM & NATURA	CO	115.0000000	12	735.0	4071.0
							NO2	824.0000000	12	735.0	4071.0
							VOC	243.0000000	12	735.0	4071.0
	0011	SAN JUAN CO	FARMINGTON	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	8.0000000	12	750.0	4050.0
							NO2	61.0000000	12	750.0	4050.0
							VOC	42.0000000	12	750.0	4050.0
	0014	SAN JUAN CO	AZTEC	GAS CO. OF N. M	4922	NATURAL GAS TRANSMISSION	CO	0.0000000	13	236.0	4060.0
							NO2	12.0000000	13	236.0	4060.0
	0015	SAN JUAN CO	AZTEC	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	31.0000000	13	251.0	4072.0
							NO2	243.0000000	13	251.0	4072.0
							VOC	100.0000000	13	251.0	4072.0
	0016	SAN JUAN CO	BLOOMFIELD	EL PASO NATURAL	4922	NATURAL GAS TRANSMISSION	CO	44.0000000	12	759.8	4067.5
							NO2	342.0000000	12	759.8	4067.5
							VOC	141.0000000	12	759.8	4067.5
	0019	SAN JUAN CO	FARMINGTON	EL PASO NATURAL	4612	CRUDE PETROLEUM PIPE LIN	VOC	733.0000000	12	749.0	4067.0
	0023	SAN JUAN CO	BLOOMFIELD	BLOOMFIELD REFI	2911	PETROLEUM REFINING	VOC	458.0000000	13	234.3	4065.5
							NO2	271.0000000	13	234.3	4065.5
							CO	165.0000000	13	234.3	4065.5
	0024	SAN JUAN CO	FARMINGTON	SAN JUAN CONCRE	1442	CONSTRUCTION SAND AND GR	CO	0.0000000	12	748.8	4066.7
							NO2	0.0000000	12	748.8	4066.7
							VOC	0.0000000	12	748.8	4066.7
	0026	SAN JUAN CO	BLOOMFIELD	SOUTHERN UNION	1321	NATURAL GAS LIQUIDS	CO	102.0000000	13	236.0	4062.0
							NO2	435.0000000	13	236.0	4062.0
							VOC	12.0000000	13	236.0	4062.0
	0029	SAN JUAN CO	FARMINGTON	CITY OF FARMING	4911	ELECTRIC SERVICES	CO	4.0000000	12	750.7	4068.2
							NO2	35.0000000	12	750.7	4068.2
							VOC	1.0000000	12	750.7	4068.2

COUNTY NO.	REG NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMH (KM)	UTMV (KM)
045	0037	SAN JUAN CO	NO CITY NAME	GIANT REFINERY	2911	PETROLEUM REFINING	CO	8.0000000	12	760.0	4066.0
							NO2	89.0000000	12	760.0	4066.0
	0040	SAN JUAN CO	FARMINGTON	HALLIBURTON SER	1389	OIL AND GAS FIELD SERVIC	VOC	5.1000000	12	747.0	4066.0
							NO2	0.0000000	12	747.0	4066.0
	0042	SAN JUAN CO	BLOOMFIELD	AMOCO PRODUCTIO	1311	CRUDE PETROLEUM & NATURA	CO	0.0000000	13	245.0	4032.0
							NO2	57.0000000	13	245.0	4032.0
	0044	SAN JUAN CO	BLOOMFIELD	GIANT IND. ARIZ	1311	CRUDE PETROLEUM & NATURA	VOC	4.0000000	12	760.0	4040.0
	0045	SAN JUAN CO	FRUITLAND	GULF ENERGY PRO	1311	CRUDE PETROLEUM & NATURA	CO	4.0000000	12	733.3	4069.9
							NO2	70.0000000	12	733.3	4069.9
							VOC	4.0000000	12	733.3	4069.9
	0052	SAN JUAN CO	BLOOMFIELD	UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	22.0000000	13	243.0	4063.0
							NO2	78.0000000	13	243.0	4063.0
							VOC	70.0000000	13	243.0	4063.0
	0053	SAN JUAN CO	BLOOMFIELD	UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	22.0000000	13	236.0	4063.0
							NO2	76.0000000	13	236.0	4063.0
							VOC	70.0000000	13	236.0	4063.0
	0058	SAN JUAN CO		UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	11.0000000	13	240.0	4093.0
							NO2	78.0000000	13	240.0	4093.0
							VOC	3.0000000	13	240.0	4093.0
	0059	SAN JUAN CO	FARMINGTON	UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	10.0000000	13	258.0	4080.0
							NO2	82.0000000	13	258.0	4080.0
							VOC	33.0000000	13	258.0	4080.0
	0060	SAN JUAN CO	BLOOMFIELD	UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	6.0000000	13	246.0	4065.0
							NO2	47.0000000	13	246.0	4065.0
							VOC	2.0000000	13	246.0	4065.0
	0061	SAN JUAN CO		MORRISON & KNUD	1094	URANIUM-RADIUM-VANADIUM	VOC	0.0000000	12	707.0	4070.0
	0062	SAN JUAN CO	BLOOMFIELD	CONOCO, INC./SA	1321	NATURAL GAS LIQUIDS	NO2	1032.2000000	13	235.7	4069.0
							CO	169.1000000	13	235.7	4069.0
							VOC	4.9000000	13	235.7	4069.0
	0063	SAN JUAN CO		PARALAX INT. CO	3273	READY-MIXED CONCRETE	VOC	0.0000000	13	275.0	4075.0
							NO2	0.0000000	13	275.0	4075.0
	0064	SAN JUAN CO	FARMINGTON	SAN JUAN MED CE	7261	FUNERAL SERVICE AND CREM	NO2	1.0000000	12	747.0	4065.0
	0065	SAN JUAN CO	FARMINGTON	BIO-WASTE FARM	7261	FUNERAL SERVICE AND CREM	NO2	0.0000000	12	749.0	4065.0
	0066	SAN JUAN CO	AZTEC	MERIDIAN OIL -	4922	NATURAL GAS TRANSMISSION	CO	78.2000000	13	241.0	4085.0
							NO2	45.6000000	13	241.0	4085.0
							VOC	13.0000000	13	241.0	4085.0
	0068	SAN JUAN CO	BLOOMFIELD	MERIDIAN/VAL VE	1311	CRUDE PETROLEUM & NATURA	CO	33.3000000	13	236.0	4069.0
							NO2	240.5000000	13	236.0	4069.0
							VOC	50.8000000	13	236.0	4069.0
	0069	SAN JUAN CO	AZTEC	MERIDIAN OIL/PO	4922	NATURAL GAS TRANSMISSION	CO	163.6000000	13	262.0	4073.0
							NO2	153.6000000	13	262.0	4073.0
							VOC	40.8000000	13	262.0	4073.0
	0116	SAN JUAN CO	FARMINGTON	GIANT REFINERY	2911	PETROLEUM REFINING	CO	0.0000000	12	760.0	4066.0
							NO2	0.0000000	12	760.0	4066.0
	0179	SAN JUAN CO	BLOOMFIELD	GAS CO. OF NM/B	4922	NATURAL GAS TRANSMISSION	CO	28.0000000	13	251.0	4071.0

COUNTY NO.	REG NO.	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY SIC CODE	DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMN (KM)	UTMV (KM)
045	0179	SAN JUAN CO	BLOOMFIELD	GAS CO. OF NM/S	4922	NATURAL GAS TRANSMISSION	NO2	73.0000000	13	251.0	4071.0
							VOC	4.0000000	13	251.0	4071.0
	0180	SAN JUAN CO	NO CITY NAME	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	12.0000000	12	763.0	4071.0
							NO2	90.0000000	12	763.0	4071.0
							VOC	4.0000000	12	763.0	4071.0
	0181	SAN JUAN CO	BLANCO	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	9.0000000	13	247.0	4064.0
							NO2	66.0000000	13	247.0	4064.0
							VOC	3.0000000	13	247.0	4064.0
	0182	SAN JUAN CO	BLOOMFIELD	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	27.0000000	13	233.0	4062.0
							NO2	70.0000000	13	233.0	4062.0
							VOC	1.0000000	13	233.0	4062.0
	0183	SAN JUAN CO	BLOOMFIELD	GAS CO OF NM	4922	NATURAL GAS TRANSMISSION	CO	5.0000000	13	264.0	4034.0
							NO2	40.0000000	13	264.0	4034.0
							VOC	2.0000000	13	264.0	4034.0
	0184	SAN JUAN CO	BLOOMFIELD	GAS CO. OF NM/T	4922	NATURAL GAS TRANSMISSION	CO	29.0000000	12	759.0	4080.0
							NO2	198.4000000	12	759.0	4080.0
							VOC	8.0000000	12	759.0	4080.0
	0185	SAN JUAN CO	BLOOMFIELD	TRANSWESTERN PL	4922	NATURAL GAS TRANSMISSION	NO2	183.6300000	13	236.5	4068.5
							CO	7.5000000	13	236.5	4068.5
	0194	SAN JUAN CO	NAGEEZI	MID-AMERICA/HUE	4922	NATURAL GAS TRANSMISSION	NO2	64.8000000	13	238.4	4041.0
							CO	33.2000000	13	238.4	4041.0
	0195	SAN JUAN CO	BLOOMFIELD	GIANT EXPLORATI	4922	NATURAL GAS TRANSMISSION	VOC	11.3000000	12	762.0	4033.0
							CO	7.8000000	12	762.0	4033.0
							NO2	35.2000000	12	762.0	4033.0
	0268	SAN JUAN CO	COUNSELOR	GAS CO. OF NM/S	4922	NATURAL GAS TRANSMISSION	NO2	12.8500000	13	290.6	4035.2
							CO	6.4300000	13	290.6	4035.2
							VOC	3.2200000	13	290.6	4035.2
	0269	SAN JUAN CO	SALT LAKE CI	WILLIAMS FIELD	4922	NATURAL GAS TRANSMISSION	NO2	99.7200000	13	271.8	4087.3
							CO	151.1300000	13	271.8	4087.3
							VOC	1960.0000000	13	271.8	4087.3
	0270	SAN JUAN CO	SALT LAKE CI	WILLIAMS FIELD	4922	NATURAL GAS TRANSMISSION	NO2	77.7600000	13	264.4	4085.9
							CO	129.5400000	13	264.4	4085.9
							VOC	1992.0000000	13	264.4	4085.9
	0271	SAN JUAN CO	SALT LAKE CI	WILLIAMS FIELD	4922	NATURAL GAS TRANSMISSION	NO2	142.5600000	13	253.3	4074.3
							CO	237.2600000	13	253.3	4074.3
							VOC	1.0989000	13	253.3	4074.3
	0272	SAN JUAN CO	SALT LAKE CI	WILLIAMS FIELD	4922	NATURAL GAS TRANSMISSION	NO2	51.8400000	13	261.1	4073.1
							CO	86.3800000	13	261.1	4073.1
							VOC	800.0000000	13	261.1	4073.1
	0273	SAN JUAN CO	SALT LAKE CI	WILLIAMS FIELD	4922	NATURAL GAS TRANSMISSION	NO2	90.7200000	13	272.4	4076.1
							CO	151.1300000	13	272.4	4076.1
	0274	SAN JUAN CO	SALT LAKE CI	WILLIAMS FIELD	1111	ANTHRACITE(1977)	NO2	354.0000000	13	273.2	4069.4
							CO	213.0000000	13	273.2	4069.4
							VOC	3.3000000	13	273.2	4069.4
	0902	SAN JUAN CO	WATERFLOW	PUBLIC SERV. OF	4911	ELECTRIC SERVICES	CO	1836.0000000	12	737.0	4075.8

COUNTY NO.	NEDS NO	COUNTY NAME	NEAREST CITY NAME	SOURCE NAME	INDUSTRY CODE	SIC DESCRIPT	POLLUT	ACTUAL EMISS RATE (TPY)	UTM ZONE	UTMH (KM)	UTMV (KM)
045	0902	SAN JUAN CO	WATERFLOW	PUBLIC SERV. OF	4911	ELECTRIC SERVICES	NO2	34233.0000000	12	737.0	4075.8
							VOC	248.0000000	12	737.0	4075.8
	0903	SAN JUAN CO		UNION TEXAS PET	4922	NATURAL GAS TRANSMISSION	CO	2.0000000	13	252.0	4057.0
							NO2	17.0000000	13	252.0	4057.0
							VOC	1.0000000	13	252.0	4057.0

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